

LABORATORY FOR ATMOSPHERES

Section 14

14. Acronym List

ADEOS Advanced Earth Observing Satellite

AEAP Atmospheric Effects of Aviation Project

AIRS Atmospheric Infrared Sounder

AMIP Atmospheric Model Intercomparison Project

AMS American Meteorological Society

AMSR Advanced Microwave Scanning Radiometer

AMSU Advanced Microwave Sounding Unit

ARL Airborne Raman Lidar

ARM Atmospheric Radiation Measurement

AVHRR Advanced Very High Resolution Radiometer

AVIRIS Airborne Visible/infrared Imaging Spectrometer

BL boundary layer

BUV Backscatter Ultraviolet

CAMEX-2 Convection and Atmospheric Moisture Experiment-2

CAPE Convective Available Potential Energy

CARD Consistent Assimilation of Retrieved Data

CART Cloud and Radiation Testbed

CCD Charge Coupled Device

CEAS Center for Earth-Atmosphere Studies

CLS Cloud Lidar System

COADS Comprehensive Ocean Atmosphere Data Set

CSTEa Center for the Study of Terrestrial and Extraterrestrial Atmospheres

D/H Deuterium/Hydrogen

DAAC Distributed Active Archive Center

DAO Data Assimilation Office

DAS Data Assimilation System

DOD Department of Defense

ECMWF European Center for Medium-Range Weather Forecasting

EDOP ER-2 Doppler Radar

ENSO El Niño Southern Oscillation

EOS Earth Observing System

EP Earth Probe

ERBE Earth Radiation Budget Experiment

ESA European Space Agency

FIRE First ISCCP Regional Experiment

FM Flight Model

FOR field of regard

GATES Geosynchronous Advanced Technology Environmental System

GCE Goddard Cumulus Ensemble (model)

GCIP GEWEX Continental-scale International Project

GCM General Circulation Model

GCMS Gas Chromatograph Mass Spectrometer

GEOS Goddard EOS (model)

GEWEX Global Energy and Water Experiment

GISS Goddard Institute for Space Studies

GLOBE Global Learning and Observations to Benefit the Environment

GOES Geostationary Operational Environmental Satellite

GPCP Global Precipitation Climatology Project

GPMS Galileo Probe Mass Spectrometer

GPROF Goddard Profiling Algorithm

GSFC Goddard Space Flight Center

GV Ground Validation

GVP Global Validation Program

HALOE HALogen Occultation Experiment

HBCU Historically Black Colleges and Universities

HIRS High Resolution Infrared Sounder

IFOV Instantaneous Field of View

IITA Information Infrastructure Technology and Applications

INMS Ion and Neutral Mass Spectrometer

IR Infrared

ISCCP International Satellite Cloud Climatology Project

ISIR IR Spectrometer Imaging Radiometer

ITS Interferometer Temperature Sounder

JCESS Joint Center for Earth System Science

JCET Joint Center for Earth Systems Technology

JCG Joint Center for Geoscience

JCOSS Joint Center for Observation System Science

JOVE Joint Venture

JPL Jet Propulsion Laboratory

KMR Kwajalein Missile Range

LASAL Large Aperture Scanning Airborne Lidar

LCL Lifting Condensation Level

LITE Lidar In-Space Technology Experiment

LORE Limb Ozone Retrieval Experiment

LS large-scale

MABL Marine Atmospheric Boundary Layer

McRAS Microphysics of Cloud with Relaxed Arakawa-Schubert cumulus parameterization

METSAT Meteorological Satellite

MM5 Mesoscale Model Version 5

MODIS Moderate Resolution Imaging Spectroradiometer

MPL Micro Pulse Lidar

MSU Microwave Sounding Unit

MTPE Mission to Planet Earth

NAS Numerical Aerospace Simulation

NASA National Aeronautics and Space Administration

NCAR National Center for Atmospheric Research

NCCS NASA Center for Computational Sciences

NCEP National Center for Environmental Prediction

NESDIS National Environmental, Satellite, Data and Information Service

NOAA National Oceanic and Atmospheric Administration

NRC National Research Council

NWS National Weather Service

NSCAT NASA Scatterometer

OLR Outgoing Longwave Radiation

PHASERS Prototype Holographic Atmospheric Scanner for Environmental Remote Sensing

PIP Precipitation Intercomparison Project

POES Polar Orbiting Environmental Satellite

PSAS Physical-space Statistical Analysis System

QM Qualification Model

RAS Relaxed Arakawa-Schubert

RCDF Radiometric Calibration and Development Facility

RSD Remote Sensing Data

s/n signal to noise

SAFARI Southern African Fire Atmospheric Research Initiative

SBUV Solar Backscatter Ultraviolet

SBUV/2 Solar Backscatter Ultraviolet

SCAR-B Smoke Cloud And Radiation-Brazil

SDCD Space Data and Computing Division

SDS Solar Disk Sextant

SEE Science Engineering Education

SIRTAS Summer Institute and Research Traineeship in Atmospheric Sciences

SOLSE Shuttle Ozone Limb Sounding Experiment

SOLSTICE Solar Stellar Irradiance Comparison Experiment

SSBUV Shuttle Solar Backscatter Ultraviolet

SSM/I Special Sensor Microwave/Imager

SST Sea Surface Temperature

SSU Special Sensor Unit

STRAT Stratospheric Transport of Atmospheric Tracers

STROZ LITE Stratosphere Ozone Lidar Trailer Experiment

SUCCESS Subsonic Aircraft: Contrails and Cloud Effects Special Study

TARFOX Tropospheric Aerosol Radiative Forcing Observational Experiment

Tb brightness temperatures

TIROS Television Infrared Operational Satellite

TM Thematic Mapper

TOA Tropical Ocean Atmosphere

TOGA-COARE Tropical Ocean Global Atmosphere/Coupled Ocean-Atmosphere Response Experiment

TOMS Total Ozone Mapping Spectrometer

TOVS TIROS Operational Vertical Sounder

TRACE-A TRansport and Atmospheric Chemistry near the Equator-Atlantic

TRMM Tropical Rainfall Measuring Mission

TSCC Tilt Scan CCD Camera

TSDIS TRMM Science Data and Information System

UARS Upper Atmosphere Research Satellite

UNEP United Nations Environment Program

USRA Universities Space Research Association

UV ultraviolet

VIS Visible

WMC Western Maryland College

WMO World Meteorological Organization

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